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PATENT

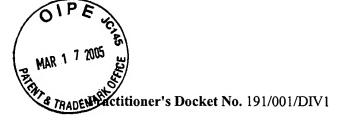
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Applic	ation of:)		
Uterr	nohlen, Joseph, et al)	Group No.:	1637
Serial No: 10	/652,676)		
Filed: 08/28/	2003)	Examiner: Tu	ng, Joyce (predicted)
•	cation Buffers Using Low Molecula can Sulfate and Methods for Their U	· ·		
	TRANSM	IITTAL LET	<u>rer</u>	
P.O. Box 145	er for Patents 50 VA 22313-1450			
Dear Sir:				
In regard to tl	he above-referenced patent applicat	tion, enclosed p	olease find:	
(1)	Transmittal of Information Disc Before Mailing of First Office A duplicate	Action and Auth		
(2) (3)	Information Disclosure Stateme. Post Card	nt 11 -/	> 0	
Date: 3/	14/05	Signature of P	ractitioner	
Reg. No.: 33	,916	Huw R. Jones,		
Tel. No.: 520			cal Systems, Inc.	•
Fax No.: 520		1910 Innovation		
Customer No	.: 238/4	Tucson, AZ 8	5/37	

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:)		
Utermohlen, Joseph, et al)	Group No.:	1637
Serial No: 10/652,676)		
Filed: 08/28/2003)	Examiner: Tu	ing, Joyce (predicted)
Filed. 06/26/2005)		
For: Hybridization Buffers Using Low Molecular)		
Weight Dextran Sulfate and Methods for Their Use)		

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
WITHIN THREE MONTHS OF FILING OR
BEFORE MAILING OF FIRST OFFICE ACTION (37 C.F.R. section 1.97(b))
AND AUTHORIZATION TO CHARGE DEPOSIT ACCOUNT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

IDENTIFICATION OF TIME OF FILING THE ACCOMPANYING INFORMATION DISCLOSURE STATEMENT

The information disclosure statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. 37 C.F.R. section 1.97(b). Accordingly, no fee should be required for filing this information disclosure statement. However, if the Office determines that a fee is required, please charge any fee to Deposit Account 50-0861. A duplicate copy of this Transmittal is enclosed.

Date: 3/14/05

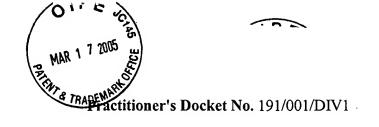
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Ventana Medical Systems, Inc. 1910 Innovation Park Drive

Tucson, AZ 85737 Tel: 520-229-3821

Fax: 520-229-4216 Customer No. 23874



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:)
Utermohlen, Joseph, et al) Group No.: 1637
Serial No: 10/652,676	
Filed: 08/28/2003) Examiner: Tung, Joyce (predicted)
For: Hybridization Buffers Using Low Molecular Weight Dextran Sulfate and Methods for Their Use))

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

List of Sections Forming Part of This Information Disclosure Statement

The following sections are being submitted for this Information Disclosure Statement:

- 1. Forms PTO/SB/08A and 08B (formerly Form PTO-1449)
- 2. Copies of Listed Information Items Accompanying This Statement

Section 1. Forms PTO/SB/08A and 08B (substitute for Form PTO-1449)

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Sheet 1

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PTO/SB/08A (08-03)

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(Use as many sheets as necessary)

of 1

Examiner Name Not yet assigned
Attorney Docket Number 191/001/DIV1

U. S. PATENT DOCUMENTS Name of Patentee or Document Number Publication Date Pages, Columns, Lines, Where Examine Initials* No. MM-DD-YYYY Applicant of Cited Document Relevant Passages or Relevant Figures Appear Number-Kind Code² (# known) ^{US-} 4302204 **A1** 11/24/1981 Wahl, et al ^{US-} 4689294 **B1** 08/25/1987 Boguslawski, et al ^{US-} 4886741 C1 12/12/1989 Schwartz ^{US-} 5750340 05/12/1998 D₁ Kim, et al ^{US-} 5985549 Ε1 11/16/1999 Singer, et al US-US-US-IIS-US-US-US-US-US-US-US-US-US-

	FOREIGN PATENT DOCUMENTS									
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	۴				
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	<u>'</u> _				
	G1	WO89/05357 .	06/15/1989	Microprobe Corp						
	H1	EP0508568A2 .	10/14/1992	Amoco Corp						

Examiner	 Date	
Signature	Considered	
•		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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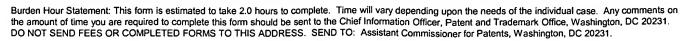
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Substit	tute for form 1449B/PTO		Complete if Known			
			Application Number	10/652,676		
INF	ORMATION D	DISCLOSURE	Filing Date	08/28/2003		
STATEMENT BY APPLICANT			First Named Inventor	Utermohlen		
U .,		/ ti 1 Li O/ ti 1	Group Art Unit	1637		
	(use as many shee	ts as necessary)	Examiner Name	Not yet assigned		
Sheet	1 of	1	Attorney Docket Number	191/001/DIV1		

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
nitials* I	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	P1 ·	AMASINO, "Acceleration of Nucleic Acid Hybridization Rate by Polyethylene Glycol," Analytical Biochemistry, Vol. 152 (No. 2), p. 304-307, (February 1, 1986).	
	Ω1	BARR, ET AL, "Application of a Subtraction Hybridization Technique Involving Photoactivatable Biotin and Organic Extraction to Solution Hybridization Analysis of Genomic DNA," Analytical Biochemistry, Vol. 186 (No. 2), p. 369-373, (May 1, 1990).	
		FLEMMING, ET AL, "Optimization of Non-Isotopic In Situ Hybridization on Formalin-Fixed, Paraffin-Embedded Material Using Digoxigenin-Labelled Probes and Transgenic Tissues," Journal of Pathology, Vol. 167 (No. 1), p. 9-17, (February 10, 1992).	
	<u>S1</u>	GINGERAS, ET AL, "Hybridization Properties of Immobilized Nucleic Acid," Nucleic Acids Research, IRL Press Limited (Oxford, England), Vol. 15 (No. 13), p. 5373-5390, (July 10, 1987).	
,	T1	HARPER, ET AL, "Localization of Single Copy DNA Sequences on G-Banded Human Chromosomes by in situ Hybridization," Chromosoma, Springer-Verlag, Vol. 83 (No. 3), p. 431-439, (1981).	
	U1	LEDERMAN, ET AL, "The Rate of Nucleic Acid Annealing to Cytological Preparations is Increased in the Presence of Dextran Sulfate," Analytical Biochemistry, Vol. 117 (No. 1), p. 158-163, (October 1981).	
	V1	MAKI, ET AL, "Nonradioactive in Situ Hybridization Histochemistry in Leukemic and Nonleukemic Culture," Biotechnic and Histochemistry, Vol. 72 (No. 1), p. 38-44, (January 1997).	
1	W 1	MEINKOTH, ET AL, "Hybridization of Nucleic Acids Immobilized on Solid Supports," Analytical Biochemistry, Vol. 138 (No. 2), p. 267-284, (May 1, 1984).	
	X1	VAN GIJLSWIJK, ET AL, "Improved Localization of Fluorescent Tyramides for Fluorescence in Situ Hybridization Using Dextran Sulfate," Journal of Histochemistry and Cytochemistry, Vol. 44 (No. 4), p. 389-392, (April 3, 1996).	
	Y 1	WAHL, ET AL, "Efficient Transfer of Large DNA Fragments from Agarose Gels to Diazobenzyloxymethyl-paper and Rapid Hybridization by Using Dextran Sulfate," Proceeding of the National Academy of Sciences USA, Vol. 76 (No. 8), p. 3683-3687, (August 1979).	

Examiner	Date	
Signature	Considered	

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.



^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Section 2. Copies of Listed Information Items Accompanying This Statement

Legible copies of all items listed in Forms PTO/SB/08A and 08B (substitute for Form PTO-1449) accompany this information statement.